VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS) EPA 8260B 1996 Page 1 of 3							
Facility Name:		VELAP ID					
Assessor Name:Analyst I	Analyst Name:		Inspection Date				
Relevant Aspect of Standards		Method Reference	Y	N	N/A	Comments	
Records Examined: SOP Number/ Revision/ Date Analyst: Sample ID: Date of Sample Preparation: Date of Analysis:						alyst: nalysis:	
Were PTFE and rubber components of the GC/N system avoided?	MS	3.1					
Were analytical areas, sample storage areas, ar analyst clothing isolated from sources of Methyle Chloride?		3.5					
Did the oven temperature program include a pos analysis bake out to ensure that semi-vol hydrod were volatilized?		3.9					
Were samples and quality controls introduced in system in the same manner?	to the	7.1					
Did BFB tune meet acceptance criteria before sa analysis began?	ample	7.3.1 7.5.2					
Were Calibrations verified by BFB, and a calibratheck (±20%),, a Systems Performance Check Compound, and a method blank each 12-hour a shift?		7.4					
Did the Internal Standard retention times not character than 30 seconds from that of the calibration point during runs?		7.4.6					
Did the Internal Standard area counts not chang factor of two (-50% to +100%) during any run?	je by a	7.4.7					
Were all samples and standards allowed to com ambient temperature before analysis?	e to	7.5.3					
If it was necessary to analyze both aliquots of a sample, was the second aliquot analyzed within hours?		7.5.4					
Were samples that were composited cooled to 4 less to minimize volatilization of analytes?	l°C or	7.5.7.2					
When ions from a sample saturated the detector reagent water blanks analyzed next to be free frocontamination?		7.5.11.1					
Notes/Comments:							

VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS) EPA 8260B 1996 Page 2 of 3 **Relevant Aspect of Standards** Method Υ Ν N/A Comments Reference Were samples that exceeded the initial calibration range 7.5.11 diluted and reanalyzed? **Qualitative Analysis** Were the relative retention times(RRTs) of sample components within ±0.06 RRT units of the RRTs on the 7.6.1.2 standard component? Did the relative intensities of characteristic ions agree 7.6.1.3 within 30% of these ions in the reference spectra? When structural isomers were identified independently, did they have GC resolution such that the heights of 7.6.1.4 their valleys were less than 25% of the sums of the two peak heights? Where structural isomers did not have sufficient GC 7.6.1.4 peak resolution, were they identified as isometric pairs? **Quantitative Analysis** Were quantitations of compounds based on the internal standards with retention times nearest to those 7.7.1 analytes? Did the reports of quantitations indicate if values were 7.7.4 either estimates or quantitated from internal standards. **Quality Control from EPA 8000C** Was the instrument performance checked every 12-hour 8000C 9.2.1 analysis period according to some sort of QC program? Did recalibration of the instrument take place when calibration verification acceptance criteria could not be 8000C 9.2.5 achieved? Were method blanks analyzed prior to analyzing any 8000C 9.2.6 samples? Were method blanks prepared at a frequency of 5% or 8000C every 20 samples? 9.2.6.1. 8260B 8.4 Notes/Comments:

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Method Reference	Υ	N	N/A	Comments
8000C 9.2.6.4 9.7.8				
8000C 9.2.6.5				
8000C 9.3.2 11.5.2				
8000C 9.3.6 11.5.1				
8000C 9.4.1				
8000C 9.4				
8000C 9.5. 8260B 8.4				
8000C 9.7.3				
8000C 9.5. 8260B 8.4				
8000C 9.7.8				
	Reference 8000C 9.2.6.4 9.7.8 8000C 9.2.6.5 8000C 9.3.2 11.5.2 8000C 9.3.6 11.5.1 8000C 9.4.1 8000C 9.4.1 8000C 9.5. 8260B 8.4 8000C 9.5. 8260B 8.4	Reference 8000C 9.2.6.4 9.7.8 8000C 9.2.6.5 8000C 9.3.2 11.5.2 8000C 9.3.6 11.5.1 8000C 9.4.1 8000C 9.4.1 8000C 9.5. 8260B 8.4 8000C 9.5. 8260B 8.4	Reference 8000C 9.2.6.4 9.7.8 8000C 9.2.6.5 8000C 9.3.2 11.5.2 8000C 9.3.6 11.5.1 8000C 9.4.1 8000C 9.4.1 8000C 9.5. 8260B 8.4 8000C 9.5. 8260B 8.4	Reference 8000C 9.2.6.4 9.7.8 8000C 9.2.6.5 8000C 9.3.2 11.5.2 8000C 9.3.6 11.5.1 8000C 9.4.1 8000C 9.4.1 8000C 9.4.1 8000C 9.5. 8260B 8.4 8000C 9.5. 8260B 8.4

Notes/Comments: